



# Interference Problems with CEC Compliant Power Supplies



# Security Camera Interference

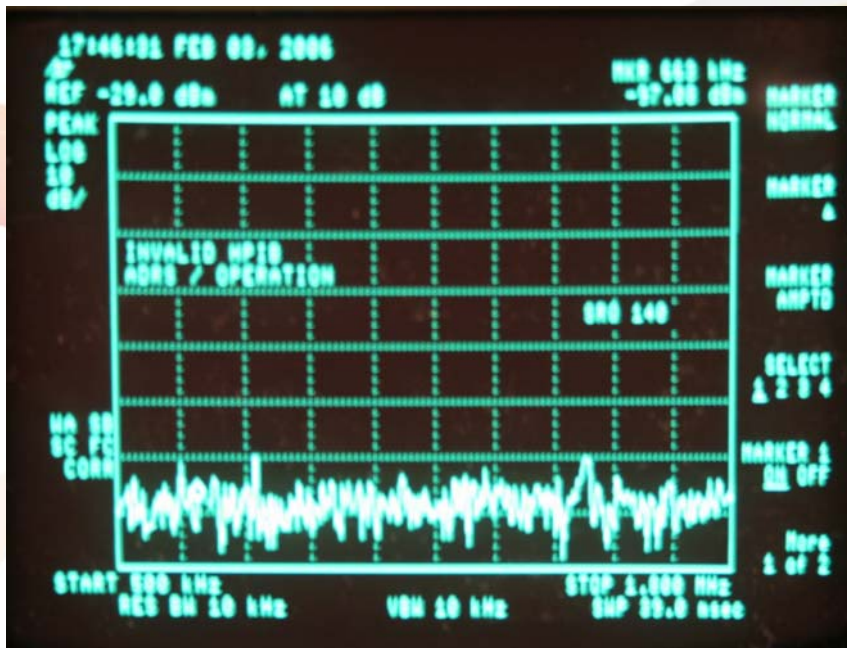
Clear TV picture with current  
linear power supply



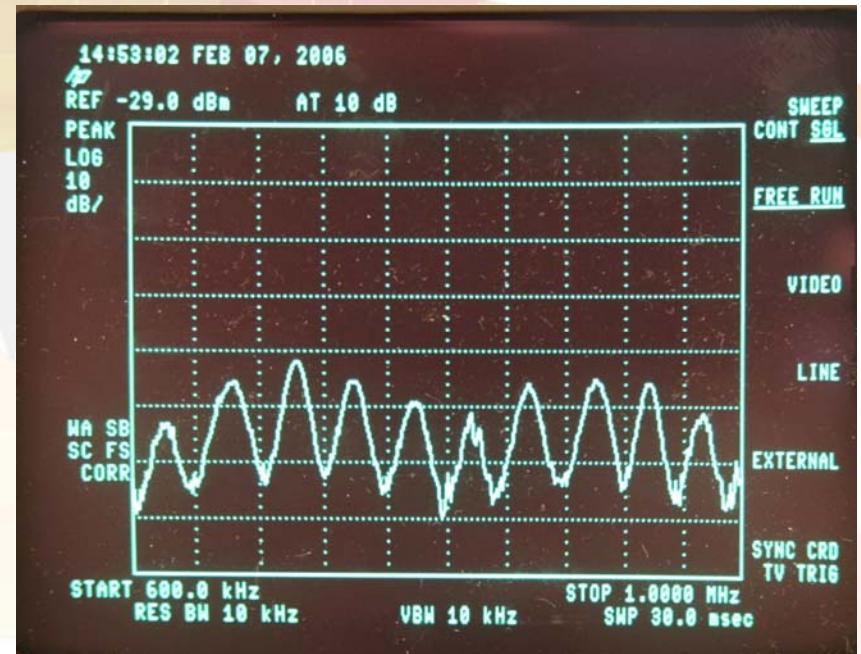
Interference in image with  
switching power supply



# Security Camera Interference



Radiation noise waveform from  
Linear power supply



Radiation noise waveform from  
Switching power supply

This slide shows a sweep of the spectrum (600 KHz to 1 MHz) and the actual interference from the switch mode supply that is causing the image distortion illustrated in Slide 1

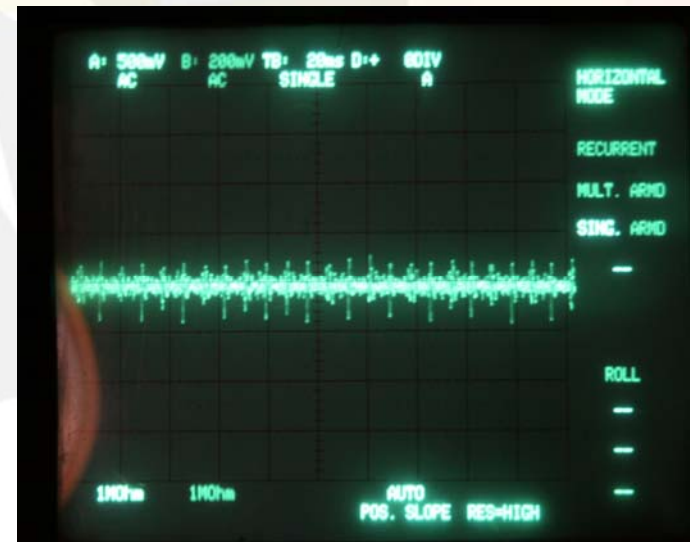
# AM/FM Radio Noise



This slide shows how a radio reproduces an audible 41.8 msec pulse that is passed on by the switch mode supply.



Switch mode supply causing 41.8 msec audible pulse from the speaker

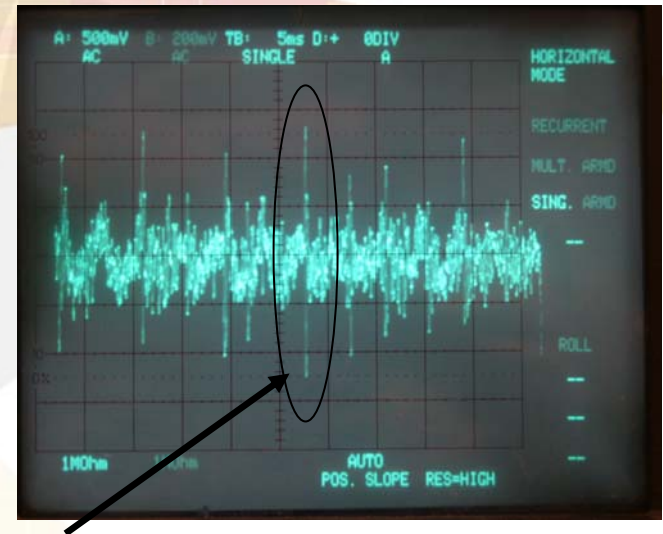


Audio noise waveform from linear power supply

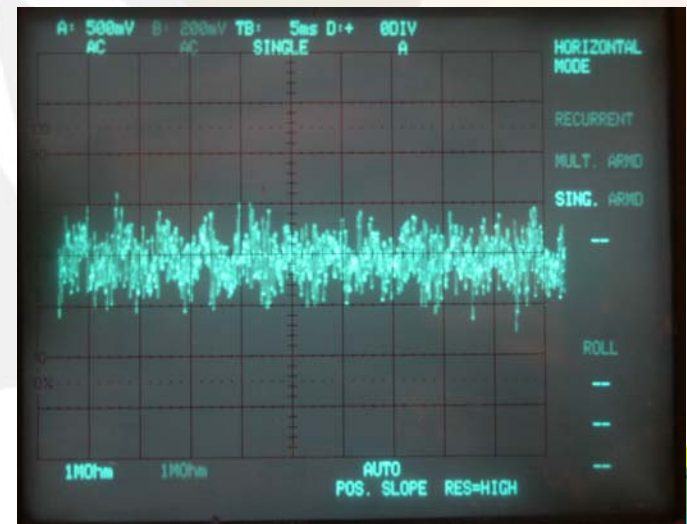
# Noise in Simple Audio Products



This slide shows how a tape recorder reproduces an audible 3.78 msec pulse that is passed on by the switch mode supply.



Switch mode supply causing 3.78 msec audible pulse from the speaker



Audio Noise waveform from Linear power supply